Ham-Digital Digest   Wed, 7 Sep 94   Volume 94 : Issue 297

Today's Topics:
                            (none)
                9600 baud using Kenwood TM201 & TM401
                         Conversd v1.4A
                   Ham-Digital Digest V94 #296
                  High speed protocol machine?!
                         KAGOLD BBS#???
                          mobile TNC?
                   New UK TCP/IP mailing list
            new version of dsk-loader for the macintosh
               Off the shelf modems for packet?
            Question: Variable Baud Rate Modems/Packet
                Ramsey Kits for 9600 Baud pakcet?
            Whats the theory on the DCD state machine?

Date: 7 Sep 94 05:59:07 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: ham-digital@ucsd.edu

I am looking for a place where I can find the Poor Man's Packet
modem (or some similar device). I have tried to e-mail and write
to the person who supposedly can sell me the kit for PMP, but I
have had no response. Can someone point me in the right
direction?

Thanks! Jeff

Date: 6 Sep 94 14:08:48 GMT
From: news-mail-gateway@ucsd.edu
Subject: 9600 baud using Kenwood TM201 & TM401
To: ham-digital@ucsd.edu

    Gentlemen:
        You want to SHORTEN the PLL time constant. The highest frequency
    that can be modulated is related to 1/time-constant!

    Ray
    WD5IFS
    mack@mails.imed.com

Date: Wed, 7 Sep 1994 03:02:58 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news.sprintlink.net!demon!g7led!
dlm@network.ucsd.edu
Subject: Conversd v1.4A
To: ham-digital@ucsd.edu

Just uploaded into ftp.ucsd.edu /hamradio/packet/tcpip/incoming as
'conversd.v1.4A.tgz'

*** THIS IS AN ALPHA VERSION 1.4 ***

This is a version of conversd 2.55 that with distributed with WAMPES 931001,
its since been modified to include a great number of new features.

Linux is the only supported OS at the moment.

This is a redistribution of the standalone package, it does not specifically
require the WAMPES931001 distribution to be run, it *should* work with the
latest version of WAMPES just as well.

To hopefully be found in /hamradio/packet/tcpip/wampes/.

Many Thanks go to the WAMPES team for producing the original code.

73's De Darryl G7LED...

--
Darryl Miles - darryl@frink.demon.co.uk - G7LED@GB7MIP.#29.GBR.EU

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unsubscribe

In article <9409050824.AA06632@ulk.electrum.kth.se> pme@it.kth.SE writes:
>From: pme@it.kth.SE
>Subject: High speed protocol machine?!
>Date: 5 Sep 94 08:24:52 GMT

>Im looking for a TNC that could handle fast data a lot better
>than a TNC2. Im running 2 pair of TNC2 at ttl levels in 19200 bit/s, and I they
>cant fill the "air" with data. About 10% of the channel capacity
>usage. And the parameters are at optimum. No TX delays and
>so on. I have heard about a TNC3 with a 68302 CPU, and
>about a 8530 with DMA for ISA bus. What about them ?
>Any one there running them? And where do I order ?
>Havn't seen them i QST, think it may be a Germany system.
>By the way I thing the 8530 card is called PI2.

That's the Ottawa PI2 card. For more info, send mail (any subject/text) to:

    pi-info@hydra.carleton.ca

Barry VE3JF

Date: Tue, 6 Sep 1994 18:09:36 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!
news.duke.edu!zombie.ncsc.mil!admii!ovation!cor5.pica.army.mil!
waltk@network.ucsd.edu
Subject: KAGOLD BBS#???
To: ham-digital@ucsd.edu

I've called the KaGold BBS # a dozen times to download a copy of their
latest demo program. I get connected & all seems OK, but I never receive
a login promtp, or anything else. Anyone know what gives?
Thanx - Walt - K2WK
--
....
Walter Kornienko - K2WK   waltk@pica.army.mil   Bldg. 350, Picatinny Arsenal,
Senior Software Engineer   Dover, New Jersey
Decision Systems Technology Inc.   201-724-3158/4879

Date: 6 Sep 1994 15:42:36 GMT
From: thecourier.cims.nyu.edu!longlast.cs.nyu.edu!jackson@nyu.arpa
Subject: mobile TNC?
To: ham-digital@ucsd.edu

Is there any such beast as a mobile-mount 12VDC packet
TNC? Hopefully something the size of a mobile mount
xcvr or smaller.

TinA

--
Steven Jackson, Assistant to the Chair of Computer Science
Courant Institute of Mathematical Sciences, New York University
251 Mercer Street, NY NY 10012

     Work   <-- (forwarded)   Home
jackson@cs.nyu.edu, jcksnste@acfcluster.nyu.edu, sjackson@cjbbs.com

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Date: 6 Sep 1994 21:53:30 +0100
From: ihnp4.ucsd.edu!swrinde!pipex!lyra.csx.cam.ac.uk!warwick!unicorn.nott.ac.uk!
unicorn.nott.ac.uk!not-for-mail@network.ucsd.edu
Subject: New UK TCP/IP mailing list
To: ham-digital@ucsd.edu

Hi folks,
There is now a mailing list set up for the UK TCP/IP Networking Group
(UKIP). This is a loosely-organised group set up to promote the use of
TCP/IP networking protocols over radio in the UK, and to encourage the
establishment of high-speed backbone links and network gateways.

If you want to subscribe:
    Send mail to ukip-request@cs.nott.ac.uk. This is handled by a
    human rather than a listserver, so be polite :-)

To post to the list:
    Send mail to ukip@cs.nott.ac.uk. Subscription requests and other
    administrative bits and bobs should go to ukip-request, _not_ to
    the list as this just means that lots of people read your
    subscription message and get cross.

Have fun! I hope to see lots of interesting discussions happening very
soon.. *grin*

By the way, the next UKIP meeting is to be held on the 15th October in
Nottingham. Details to follow..

73 Mike

--
+--- Mike Knell -- Squashed Lagomorphia on the Information Superhighway(tm) --+
| Vending machines should NEVER NEVER| SMTP thing: m.knell@unicorn.nott.ac.uk |
| EVER eat money. - RFC1288 (Finger) | AX25 thing: G7GPA@GB7COV.#29.GBR.EU |
+----------- These are my opinions, not anybody else's, so bog off. ----------+

Date: 7 Sep 94 08:25:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: new version of dsk-loader for the macintosh
To: ham-digital@ucsd.edu

I uploaded version 1.1 of my TI-DSK loader for the apple
macintosh to the info-mac archive (sumex-aim.stanford.edu and his mirrors).
It can be found in /info-mac/app/dsk-loader-11.hqx.

you also can ftp it from oak.oakland.edu (/pub/hamradio/mac/digital),
and from ftp.funet.fi (/pub/ham/dsp/320C26).

Here is some information:

DSK_Loader 1.1

DSK_Loader is the Macintosh equivalent of the DOS program DSKL. With
this program you can communicate with the DSK (DSP Starter Kit) from
Texas Instruments. This program bootloads a simple communications
kernel and then loads other software using this kernel.
Other options are:

* Fill DSK memory with a certain value.
* Dump DSK memory into a textwindow, for further processing.
* Execute programs on the DSK.
* Graph output from the DSK.
* Act as a dumb terminal to the DSK.

changes since version 1.0

- fixed crash when scrolling in 32 bit memory mode.
- fixed hangup of PowerBooks when downloading to the DSK.
- enhanced graph window with offscreen update, grid, and
  background which can be selected by the user by setting
  misc options.
- some cosmetic enhancements, better errormessages etc.
- added a few more .dsk files.

The DSK and thus DSK_Loader is most interesting for people who want to
experiment with Digital Signal Processing at low costs. For HAM-Radio
operators it is a very interesting piece of equipment, Some
applications, like the KC7WW port of the W9GR filters are included.

Gerrit.

Date: 6 Sep 1994 16:11:27 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!psuvax1!
news.cc.swarthmore.edu!netnews.upenn.edu!news.drexel.edu!news.ge.com!
knight.vf.ge.com!cnn.motown.ge.com!@@ihnp4.ucsd.edu
Subject: Off the shelf modems for packet?
To: ham-digital@ucsd.edu

The pc modems that are "SoftModem Technology"
are now reasonably priced IMHO, and should be reprogrammable
for the modulation standards of the radio and TDD worlds.
This would allow "off the shelf" hardware, but we need custom
software. These modems download the DSP program from the pc.
The Digicom DSI Connection and the similar Cardinal MVP144DSP.

use ram program storage, not flash-eprom.

Speaking only for myself: Bill Mays
\   /   WMAYS@MOTOWN.GE.COM
 \/   (=   <-I'm a mushroom...
 /\   Same place, same job,
/ \   my mark.   third company.

I don't know how to ask this question in general terms but I l'll do my
best....

I am looking for information or a source to get specific information about
changing a modem or Packet Terminals baud rate to an odd baud rate (such as
2500 baud, 1600 baud, 1250 baud etc.).

The real question is:

Does this require hardware modification, software modification or both?

I am mostly interested in packet modifications but anything relating to
modems will work. I can apply the theory (I hope) for modems to packet.

ANY HELP OR INFORMATION ABOUT THIS WOULD BE GREATLY APPRECIATED.

                    Thanks, Mike

Has anyone out there used the Ramsey FX line of VHF and UHF radio kits for
9600 baud paket? Ramsey advertises that these radios have a dedicated packet
connector (5 pin DIN). Does this work at 9600 baud or are modifications
necessary?
  In general, would this be a good radio for experimenting with packet?
  Are there any other kit manufacturers that offer similar radio kits?

Thanks in advance,
   -Ross

(still awaiting my call sign)

BTW: Is there a list (available via FTP or otherwise) of public access
 NNTP servers? The server my college connects to by default doesn't work
 very well and also doesn't receive many of the newsgroups.

Date: 6 Sep 94 16:22:25 GMT
From: news-mail-gateway@ucsd.edu
Subject: Whats the theory on the DCD state machine?
To: ham-digital@ucsd.edu

Can some one explain the theory behind the DCD state machine circuit!
What is significant in the HDLC data stream that this thing keys in on?
How does the circuit typically interface to a TNC. I've never
seen the schematic or state diagrams, so perhaps what I am asking
is obvious given those. Looking at the schematic of the PK88, it looks
as if it would replace the modem chip's (AM7910) carrier detect output.
Or would the circuit just gate the RX Data to the SDLC hardware?
Questions, questions, questions!
I don't presently have one, but I would like to understand the theory,
and then add one to my PK88! Thanks!

Brad
WB9FIP
bmoers@corp.qgraph.com

End of Ham-Digital Digest V94 #297
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